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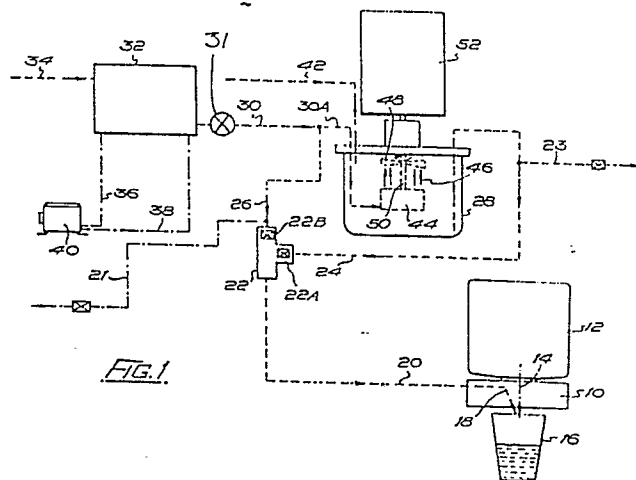
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Improvements relating to carbonating apparatus.

A carbonated beverage dispenser having a carbonating tank (28) is described. The dispenser is for dispensing beverages comprising a concentrate and a diluent usually carbonated water. The carbonation takes place in the tank by spraying or jetting refrigerated water inside the tank and by spinning a bladed rotor (48) inside the tank so as to intersect said jets or sprays to break up the water into atomized clouds. This is done in a carbon dioxide atmosphere inside the tank and therefore absorption of carbon dioxide takes place rapidly. A magnetic coupling between the bladed rotor and a prime mover outside the tank means that there is no need to make any break in the tank for a drive shaft.

The dispenser also has facility to dispense either still water or carbonated water or a mixture depending upon the degree of carbonation required of the diluent.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	FR-A- 569 893 (LOUBAT) * Abstract; figures *	1,2	B 01 F 3/04
A	DE-A-2 021 237 (CORNELIUS) * Page 6, paragraph 1; page 8, claims; figures *	2,5	
A	FR-A-1 302 005 (MANUFLUIDE) * Abstract; figure *	5,6,11, 13,18, 23	
A	EP-A-0 166 586 (ISOWORTH LTD) * Abstract; figures *	14	
A	US-A-1 886 468 (CORNISH) * Page 2, line 110 - page 4, line 48; figures *	15-23	
A	AT-B- 362 657 (HORCHER)		
A	US-A-1 580 085 (HORN)		
A	US-A-3 106 895 (HOOD)		
A	US-A-2 601 493 (BARR)		
A	US-A-2 460 004 (GREEN)		
A	DE-A-1 916 837 (INDUSTRIAL FILTER)		TECHNICAL FIELDS SEARCHED (Int. Cl.4) B 01 F B 67 D
A	US-A-2 586 499 (ANDERSON)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13-02-1989	Examiner PEETERS S.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			